



## Personal Information

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## International Researcher IDs

ScholarID: HLwf8kcAAAAJ

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Publons / Web Of Science ResearcherID: AAT-2307-2020

ScopusID: 57214317964

Yoksis Researcher ID: 247647

## Education Information

Doctorate, Gazi University, Mühendislik Fakültesi, İnşaat Mühendisliği, Turkey 2019 - 2024

Postgraduate, Gazi University, Mühendislik Fakültesi, İnşaat Mühendisliği, Turkey 2016 - 2019

Undergraduate, Gazi University, Mühendislik Fakültesi, İnşaat Mühendisliği, Turkey 2010 - 2015

## Certificates, Courses and Trainings

Quality Management, Kalite Eğitimleri, Gazi University, 2022

## Dissertations

Doctorate, THE DETERMINATION OF THE SEISMIC BEHAVIOR OF POLYMERIC GEOSTRIP REINFORCED EARTH WALLS, Gazi University, Fen Bilimleri Enstitüsü, -, 2024

Postgraduate, Investigation of uplift behaviour of horizontal shallow plate anchors reinforced with geocells in cohesionless soil, Gazi University, Mühendislik Fakültesi, İnşaat Mühendisliği, 2019

## Research Areas

Civil Engineering, Geotechnical, Foundation Engineering, Soil Mechanics, Deep Excavation, Ground Improvement, Engineering and Technology

## Academic Titles / Tasks

Research Assistant, Gazi University, Mühendislik Fakültesi, İnşaat Mühendisliği, 2016 - Continues

Research Assistant, Tokat Gaziosmanpaşa University, Faculty Of Engineering And Natural Sciences, 2016 - 2016

## Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Parameters affecting performance of fully instrumented model testing of strip footings on geocell-reinforced soils**  
Demirdogen S., GÜRBÜZ A., Yüncül K.  
GEOTEXTILES AND GEOMEMBRANES, vol.52, no.6, pp.1191-1206, 2024 (SCI-Expanded)
- II. **A new semi-empirical bearing capacity calculation method for geocell reinforcement in foundations**  
Demirdogen S., GÜRBÜZ A., Yüncül K.  
Transportation Geotechnics, vol.49, 2024 (SCI-Expanded)
- III. **Force distribution on polymeric geostrip reinforcements in MSE walls under seismic excitation**  
Yüncül K., Gürbüz A.  
Journal of Reinforced Plastics and Composites, vol.43, no.21-22, pp.1272-1290, 2024 (SCI-Expanded)
- IV. **Numerical Simulation of Polymeric Strap Material Reinforced Walls Under Seismic Excitation**  
Yüncül K., Gürbüz A.  
Transportation Research Record, vol.2678, no.10, pp.1181-1204, 2024 (SCI-Expanded)
- V. **Performance of eccentrically loaded strip footings on geocell-reinforced soil**  
Demirdöğen S., Gürbüz A., Yüncül K.  
Geotextiles and Geomembranes, vol.52, no.4, pp.421-434, 2024 (SCI-Expanded)
- VI. **Determination of shear stress-shear strain behavior of polymeric geostrip reinforced MSE wall**  
Yüncül K., Gürbüz A.  
Geotextiles and Geomembranes, vol.52, no.2, pp.184-195, 2024 (SCI-Expanded)
- VII. **3D-printed geocells in footing systems: A comprehensive physical and numerical studies on scaling and performance under centric and eccentric loading scenarios**  
Demirdöğen S., Gürbüz A., Yüncül K.  
Transportation Geotechnics, vol.45, 2024 (SCI-Expanded)
- VIII. **Seismic performance of gravity retaining walls**  
Yüncül K., Gürbüz A.  
Earthquake Engineering and Structural Dynamics, vol.52, no.6, pp.1635-1657, 2023 (SCI-Expanded)
- IX. **Shaking table study on seismic behavior of MSE wall with inclined backfill soils reinforced by polymeric geostrips**  
Yüncül K., Gürbüz A.  
GEOTEXTILES AND GEOMEMBRANES, vol.50, no.1, pp.116-136, 2022 (SCI-Expanded)
- X. **Uplift behavior of shallow horizontal plate anchors reinforced with geocells in cohesionless soil**  
Yüncül K., Gürbüz A.  
European Journal of Environmental and Civil Engineering, vol.26, no.4, pp.1243-1266, 2022 (SCI-Expanded)

## Articles Published in Other Journals

- I. **A Research on the Competences of Civil Engineering Students in Departments: Current Situation, Problems and Solution**  
Karaçor F., Yüncül K., Erdağ A.  
Avrupa Bilim ve Teknoloji Dergisi, vol.31, pp.545-552, 2021 (Peer-Reviewed Journal)
- II. **Numerical Analysis of Geocell Reinforced Square Shallow Horizontal Plate Anchor**  
Yüncül K., Usluogullari O. F., Gürbüz A.  
GEOTECHNICAL AND GEOLOGICAL ENGINEERING, vol.39, no.4, pp.3081-3099, 2021 (ESCI)

## Refereed Congress / Symposium Publications in Proceedings

- I. **İSTİNAT (KLASİK KONSOL VE TOPRAKARME) DUVARLARINA ETKİYEN DİNAMİK YÜKLERİNİN BELİRLENMESİ**  
Gürbüz A., Yüncül K.

ON YILIN ARDINDAN ULUSAL DEPREM ARAŞTIRMA PROGRAMI (UDAP) ÇALIŞTAYI, Ankara, Turkey, 23 November - 24 December 2023, pp.46-51

**II. INVESTIGATION OF THE UPLIFT CAPACITY OF HORIZONTAL STRIP PLATE ANCHORS IN SLOPE**  
Yünkül K.

Zemin Mekaniği ve Geoteknik Mühendisliği 18. Ulusal Konferansı, Kayseri, Turkey, 29 - 30 September 2022, pp.337-346

**III. THE INVESTIGATION UPLIFT BEHAVIOUR OF SHALLOW HORIZONTAL PLATE ANCHOR REINFORCED WITH GEOCELL IN COHESIONLESS SOIL**

Yünkül K., Gürbüz A.

8. Uluslararası Geoteknik Sempozyumu, İstanbul, Turkey, 13 - 15 November 2019, pp.591-600

**IV. Determination of effect of cellular elements (geocell) on the uplift capacity of horizontal anchors**

Yünkül K., Gürbüz A.

International Congress on Engineering and Arhitecture, Antalya, Turkey, 14 - 16 November 2018, pp.49-62

**V. Hücresel Elemanlarda (Geocell) Gerilme Yayılım Açılarının Nümerik Yöntemlerle Belirlenmesi**

Yünkül K.

International Congress on Engineering and Arhitecture, Antalya, Turkey, 14 - 16 November 2018, pp.215-224

**VI. Use of Geocells and Working Mechanism**

Yünkül K., Gürbüz A.

Ist International Symposium on Innovative Approaches in Scientific Studies, Antalya, Turkey, 11 - 13 April 2018, vol.2, pp.354-360

**VII. İnşaat Mühendisliği Öğrencilerinin Bitirme Projelerinin Öğrenci Tercihleri ve Önem Derecesine Göre Değerlendirilmesi**

Kaya N., Yünkül K., Çiçek C. T.

4. İNŞAAT MÜHENDİSLİĞİ EĞİTİMİ SEMPOZYUMU, İzmir, Turkey, 17 - 18 November 2017, pp.161-174

## Supported Projects

Gürbüz A., Project Supported by Other Official Institutions, İSTİNAT (KLASİK KONSOL VE TOPRAKARME) DUVARLARINA ETKİYEN DİNAMİK YÜKLERİNİN BELİRLENMESİ (UDAP-Ç-19-08), 2019 - 2022

## Memberships / Tasks in Scientific Organizations

International Geosynthetics Society (IGS), Member, 2019 - Continues, United States Of America

Soil Mechanics and Geotechnical Engineering Association, Member, 2018 - Continues, Turkey

İnşaat Mühendisleri Odası, Member, 2016 - Continues, Turkey

## Scientific Refereeing

Sciennovation, National Scientific Refreed Journal, September 2023

GEOTECHNICAL AND GEOLOGICAL ENGINEERING AN INTERNATIONAL JOURNAL, Journal Indexed in ESCI, October 2022

sciennovation, National Scientific Refreed Journal, August 2021

## Metrics

Publication: 19

Citation (WoS): 48

Citation (Scopus): 66

H-Index (WoS): 3

H-Index (Scopus): 4

## **Scholarships**

Determination of the Dynamic Loads Acting on the Retaining (Traditional and MSE) Walls, Other Government Agencies, 2019 - 2022

## **Awards**

Yünkül K., Researcher Incentive Award, Earthquake Engineering Association Of Turkey, November 2023

Yünkül K., Gazi Üniversitesi Mühendislik Fakültesi Bölüm Üçüncülüğü, Gazi Üniversitesi, June 2016